Individual Income Tax Form 40V Voucher Scanline
Practioner Software Specifications
For Tax Period 2004

Font Type: OCR A

Paper Weight: 24#

Approximate Location:
Distance from right bottom corner of voucher edge 2.25 inches
Distance from bottom of voucher .38 inches
Distance between Signature Line and Scanline .25 inches

Format (left to right):

	1.	Scanline ID Code	4 pos.	Value = 4086
	2.	SSN1/FEIN/ACCT#	10 pos.	Right Justify Zero Fill
	3.	Begin Tax Period	6 pos.	Value = MMDDYY
	4.	End Tax Period	6 pos.	Value = MMDDYY
	5.	Amount Due	10 pos.	Right Justify Zero Fill
		Dollar and cents format (numeric only, no decimal point		
	6.	Filler	9 pos.	Zero Fill
	7.	Tax Form Type	4 pos.	See Appendix A
	8.	Converted Name	8 pos.	See Appendix B
*	9.	Scanline Check Digit	1 pos.	See Appendix C

Example of scanline:
40860422553333010104123104000000250000000000040658377738 43

40V Voucher Check Digit Routines:

* The scanline check digit performed on fields 1-8 uses a Modulus 11 (Mod 11) Luhns check digit routine.

APPENDIX A: Type of Tax Form

Form 40 Value = “4032"
Form 40A Value = “4065"
Form 40NR Value = “4078"

APPENDIX B - Name Conversion Table

Table used to convert the first four characters of the last name to numeric format..

48 = 0	65 = A	75 = K	85 = U
49 = 1	66 = B	76 = L	86 = V
50 = 2	67 = C	77 = M	87 = W
51 = 3	68 = D	78 = N	88 = X
52 = 4	69 = E	79 = O	89 = Y
53 = 5	70 = F	80 = P	90 = Z
54 = 6	71 = G	81 = Q	
55 = 7	72 = H	82 = R	
56 = 8	73 = I	83 = S	
57 = 9	74 = J	84 = T	

32 = space	38 = &
33 = !	39 = ‘
34 = “	42 = *
35 = #	43 = +
36 = $	45 = -
37 = %	63 = ?

Note: An undetermined value is equal to 32

Examples:

SMITH	83777384
DOE	68796932
O’REILLY	79398269

APPENDIX C - Modulus 11 (Mod 11) Luhns

The calculation of the final digit is performed using the Modulus 11 (Mod 11) Luhns methold. The calculation is performed using scanline characters 1-57 of the scanline. Multiply the digits in the field by the
weights (.....,4,3,2,9,8,7,6,5,4,3,2), applying the weights right-to-left from the weight table to the number being tested. No weight is applied to the check digit, and it is not used in the calculation. Add the resulting products by summing the products.

Scanline Example:
4086042255333301019912319900000025000000000004065837773 84

4x2 = 8
0x9 = 0
8x8 = 64
6x7 = 42
0x6 = 0
4x5 = 20
2x4 = 8
2x3 = 6
5x2 = 10
5x9 = 45
3x8 = 24
3x7 = 21
3x6 = 18
3x5 = 15
0x4 = 0
1x3 = 3
0x2 = 0
1x9 = 9
0x8 = 0
4x7 = 28
1x6 = 6
2x5 = 10
3x4 = 12
1x3 = 3
0x2 = 0
4x9 = 36
0x8 = 0
0x7 = 0
0x6 = 0
0x5 = 0
0x4 = 0
0x3 = 0
2x2 = 4

5x9 = 45
0x8 = 0
0x7 = 0
0x6 = 0
0x5 = 0
0x4 = 0
0x3 = 0
0x2 = 0
0x9 = 0
0x8 = 0
0x7 = 0
0x6 = 0
4x5 = 20
0x4 = 0
6x3 = 18
5x2 = 10
8x9 = 72
3x8 = 24
7x7 = 49
7x6 = 42
7x5 = 35
3x4 = 12
8x3 = 24
4x2 = 8

Divide SUM by 11:
751/11 = 68 remainder 8
NOTE: If the remainder is equal to zero or one the Check Digit will be zero.

Subtract remainder from 11:
11-8=3

THE CHECK DIGIT IS 3

Scanline becomes:
4086042255333301010412310400000025000000000004065837773843